



GAIL FARBER, Director

COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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June 5, 2014

IN REPLY PLEASE

REFER TO FILE: FLT-0

TO: Each Supervisor

FROM: Gail Farber *Gail Farber*
Director of Public Works

BOARD MOTION OF JANUARY 10, 1995, SYNOPSIS 8 ANNUAL CLEAN FUELS REPORT

As directed in the Board's motion of January 10, 1995, County departments are to report the composition of their fleet and progress toward the County's goal of transitioning to clean fuels.

The following efforts demonstrate the progress made by Public Works over the past two reporting years, which assist in achieving this goal.

- We have 60 hybrid vehicles and ordered, received, and incorporated 9 hybrid sedans into our fleet. The hybrids replaced older sedans that were powered by unleaded fuel.
- We added 27 propane-powered vehicles for a total of 66, consisting of 51 street sweepers, 9 commercial busses, 2 dump trucks, 2 patch trucks, and 2 forklifts.
- We added 21 flex-fuel vehicles for a total of 45.
- We acquired 5 electric forklifts.
- We added 36 compressed natural gas (CNG) vehicles for a total of 55, consisting of 22 dump trucks, 9 street sweepers, 6 patch trucks, 5 aerial trucks, 4 combo sewer trucks, 3 loader trucks, 3 jetter trucks, 2 water trucks, and 1 stake bed truck. This fiscal year, we ordered 9 CNG sweepers.

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- We completed a total of 6 diesel vehicle repowers whereby older diesel burning engines were replaced with newer, clean-burning diesel engines with lower emission levels.

In addition, the following efforts were made by Public Works to further achieve the Board's goal and improve the air quality within Los Angeles County.

- We continue to only purchase ultra-low, sulfur, diesel fuel for on- and off-road applications.
- We applied for multiple grant funding opportunities to help with constructing three CNG fueling stations, upgrading two maintenance facilities for CNG vehicle maintenance upgrades, and the replacement of four diesel-powered vehicles.
- We concluded our on-road retrofit program in 2012 to comply with the State's on-road fleet rules.
- We continue to purchase on- and off-road vehicles/equipment with diesel particulate filters.
- We worked in collaboration with Internal Services Department to install 11 electric charging stations at our Department headquarters to promote the use of zero emission electric vehicles.

Attachment No. 1 details Public Works' fleet composition for the 2013 calendar year. Included in Attachment No. 2 is the trend of our fleet's movement towards cleaner burning fuels from 2005 to present as well as our projection through year 2020 where we see gasoline and diesel-powered vehicles declining and alternative fuel vehicles continuing to increase.

If you have any questions, please call me or your staff may contact Keith Lehto of our Fleet Management Division at (626) 458-7315.

MS:sh

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Attach.

cc: Chief Executive Office (Rita Robinson)
County Counsel
Executive Office

ANNUAL CLEAN FUELS REPORT
DEPARTMENT OF PUBLIC WORKS - FLEET COMPOSITION

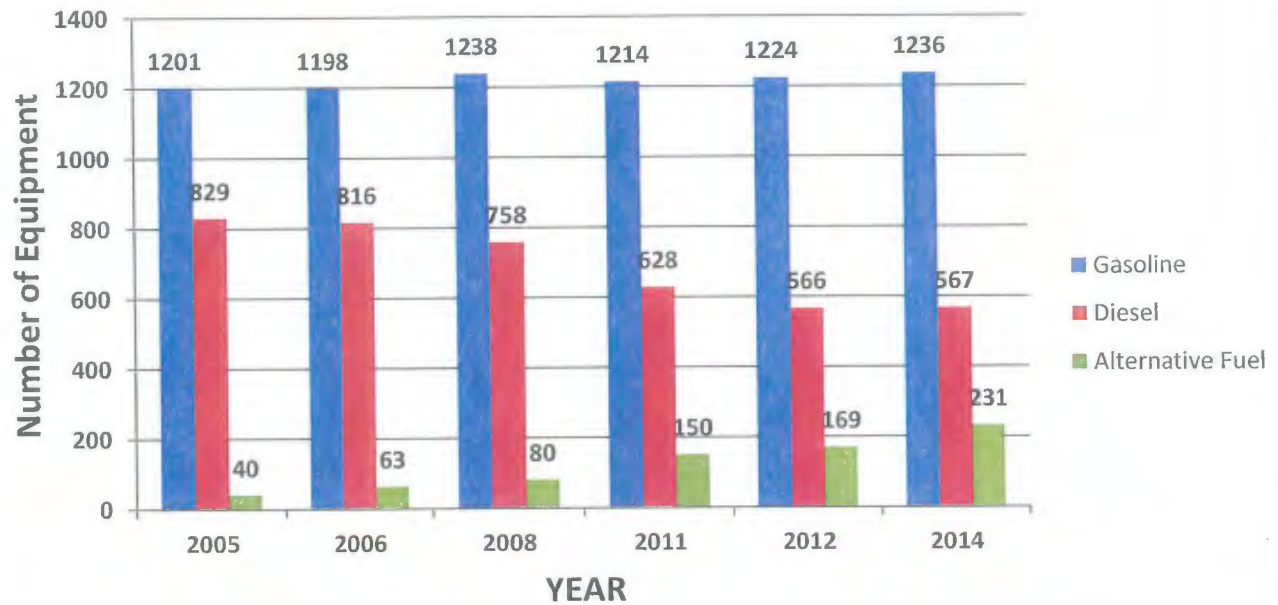
As of April 2014

		FUEL TYPE							
DESCRIPTION	NUMBER OF UNITS		GASOLINE	DIESEL	HYBRID	ELECTRIC	FLEX-FUEL VEHICLES	NATURAL GAS	PROPANE GAS
PUBLIC WORKS OWNED AND OPERATED									
SEDANS	158		97	-	59	-	2	-	-
SPORTS UTILITY & VANS	107		103	-	1	-	3	-	-
LIGHT TRUCKS	888		830	36		-	22	-	-
MEDIUM TRUCKS	244		124	85	-	-	-	31	4
HEAVY DUTY TRUCKS	219		30	174	-	-	-	15	0
SWEEPERS	80		8	13	-	-	-	9	50
CONSTRUCTION EQUIPMENT	244		-	244	-	-	-	-	-
FORKLIFTS	39		22	10	-	5	-	-	2
SUBTOTAL	1979		1214	562	60	5	27	55	56
		FUEL TYPE							
DESCRIPTION	NUMBER OF UNITS		GASOLINE	DIESEL	HYBRID	ELECTRIC	FLEX-FUEL VEHICLES	NATURAL GAS	PROPANE GAS
PUBLIC WORKS OWNED									
OPERATED BY PROGRAMS DEVELOPMENT DIVISION									
TRANSIT VANS & SHUTTLES	21		3	-	-	-	18 (1)	-	-
TRANSIT COMMERCIAL BUSES	13		4	-	-	-	-		9
SUBTOTAL	34		7	0	0	0	18	0	9
		FUEL TYPE							
DESCRIPTION	NUMBER OF UNITS		GASOLINE	DIESEL	HYBRID	ELECTRIC	FLEX-FUEL VEHICLES	NATURAL GAS	PROPANE GAS
PUBLIC WORKS OWNED									
OPERATED BY AVIATION DIVISION									
LIGHT TRUCKS	9		9	-	-	-	-	-	-
MEDIUM TRUCKS	4		4		-	-	-	-	-
SWEEPERS	2		1	-	-	-	-	-	1
CONSTRUCTION EQUIPMENT	5		-	5	-	-	-	-	-
FORKLIFTS	1		1	-	-	-	-	-	-
SUBTOTAL	21		15	5	0	0	0	0	1
GRAND TOTAL	2034		1236	567	60	5	45	55	66
PERCENTAGE OF TOTAL FLEET	100.00%		60.77%	27.88%	2.95%	0.25%	2.21%	2.70%	3.24%

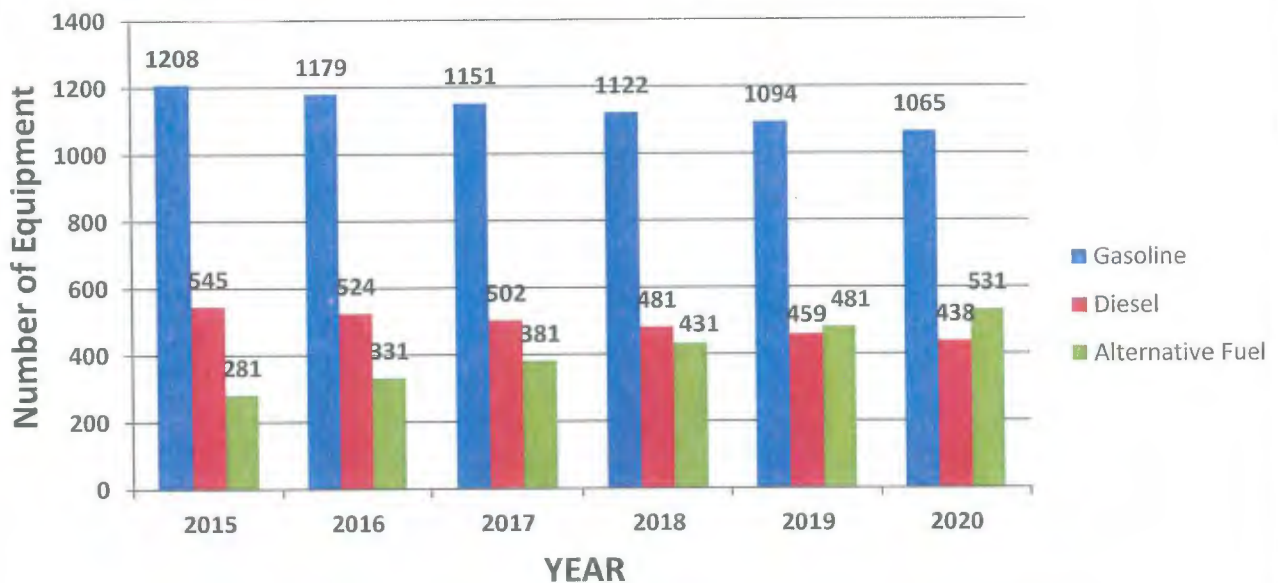
Notes:

(1) The 18 vehicles listed under 'Gasoline' on the 2012 report have been identified as E85, therefore their category has been updated to flexfuel.

Number of Equipment by Fuel Type 2005 - 2014



Number of Equipment by Fuel Type 2015 - 2020 Projection



Note:

1. Increase in alternative fuel vehicles reflects the purchase of sedans, SUVs, vans, light/medium/heavy-duty trucks, sweepers, and forklifts.
2. Alternative fuel options for off-road equipment are not available at this time, therefore it is not included in this projection.